YTC E-Dig Tool

FORSCOM Gathering

ITAM Workshop, 2002

Savannah, GA

What Is E-Dig Tool?

- An Access (MicroSoft) Database For Using Units To Request Dig Permit
- Stand Alone Database Accessible To Customers From YTC/ENRD Website.
- Uses Existing Technology And Capabilities Of Using Units And YTC
- Fully Compatible With GIS

Why We Developed It

- Problems, Problems, Problems…
  - Disaster Dig Requests
    - Inconsistent Data
    - Insufficient Data
    - Incorrect Data
- Solutions, Solutions, Solutions…
  - Clean Up Problems And Improve Efficiency
- Consistent With Long-Term Plan

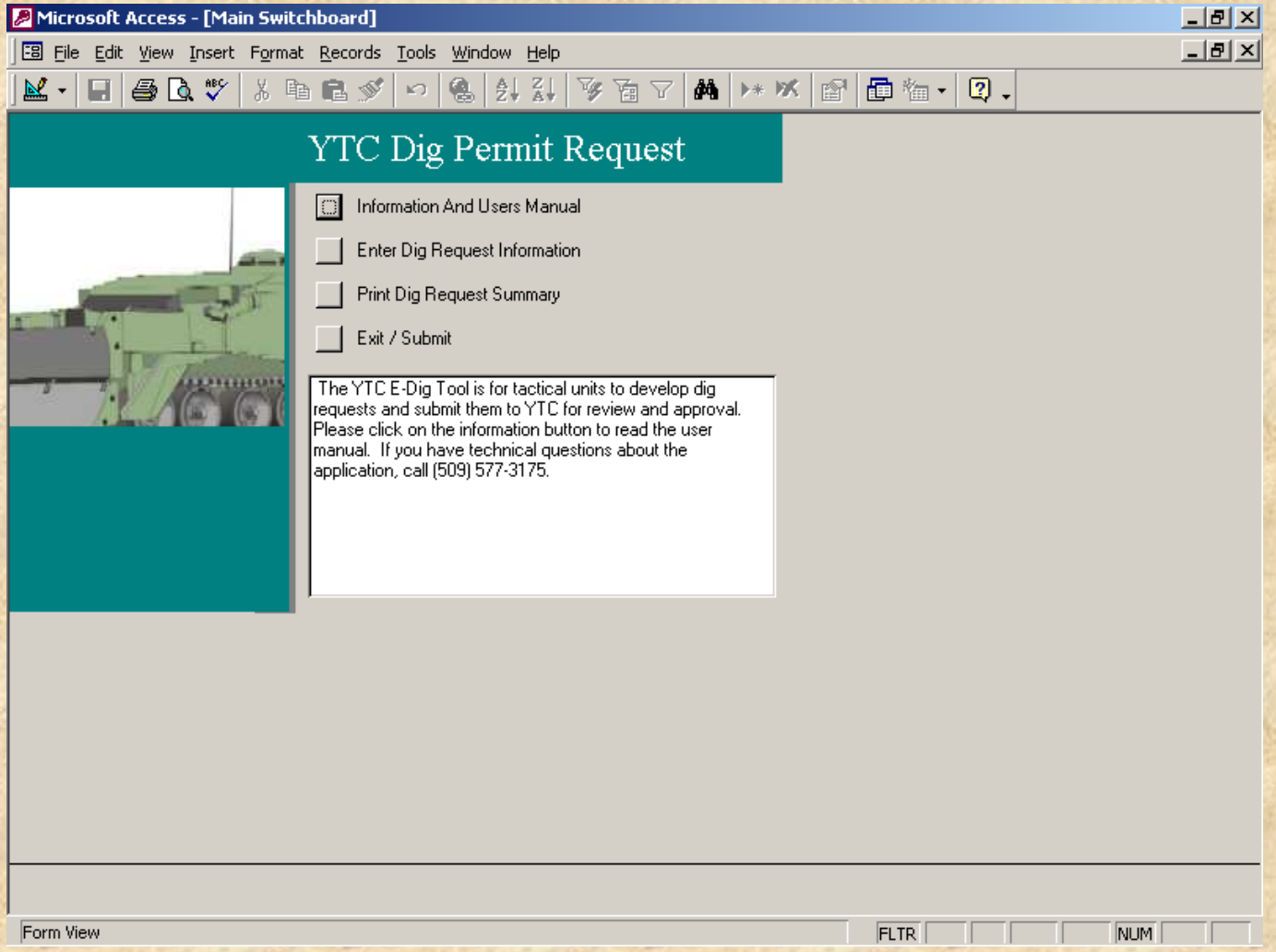
What Will It Do For Us?

- Solves Most Existing Problems
- Puts Responsibility On Using Unit To Provide Correct Data
- Fully Compatible With GIS
- Streamlines YTC Review Process
- Permanent Record Of Digging Activities
- Maintains Lines Of Authority

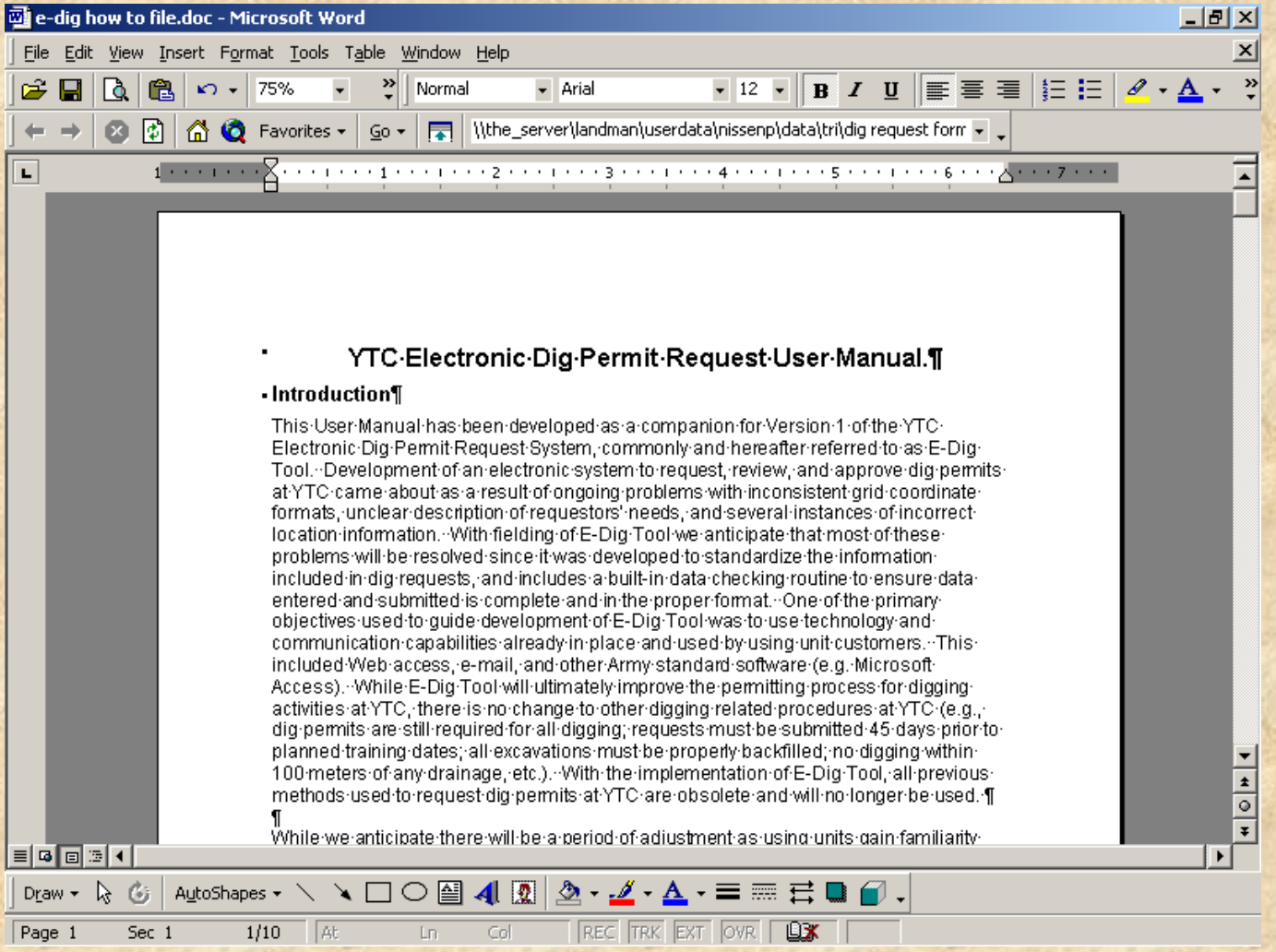
How It Works (in a nut shell)

- Download Database From YTC Website
- User Enters, Edits & Prints Data
- User Submits To YTC Operations Center (automatic e-mail address provided)
- Operations Center Distributes For YTC Staff Review & Coordination, ENRD Loads Into GIS
- Operations Center Coordinates With Customer, Issues Approval Or Disapproval

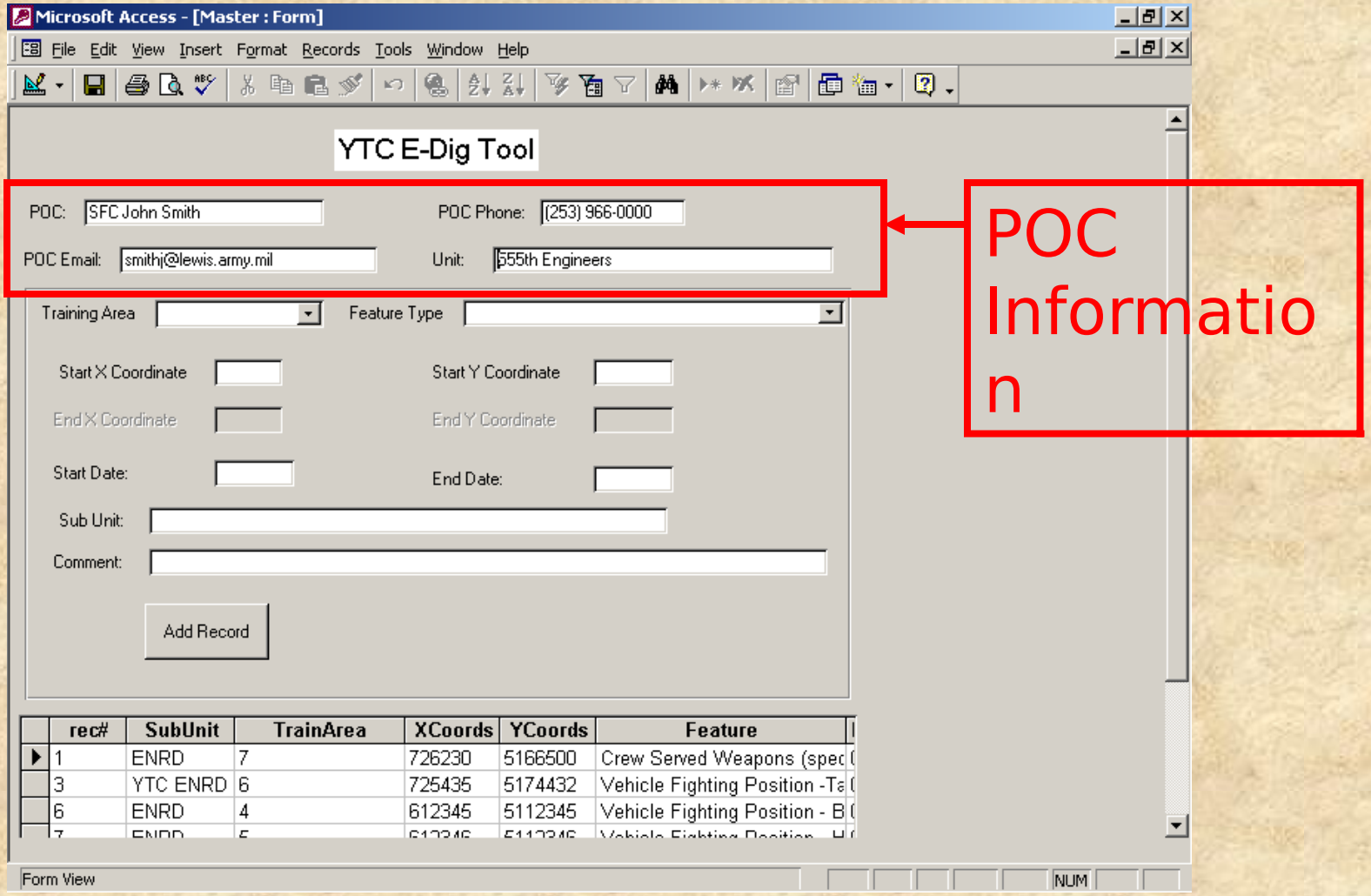
Demonstration – Main Menu


Microsoft Access - [Main Switchboard]
File Edit View Insert Format Records Tools Window Help
YTC Dig Permit Request
Information And Users Manual
Enter Dig Request Information
Print Dig Request Summary
Exit / Submit
The YTC E-Dig Tool is for tactical units to develop dig requests and submit them to YTC for review and approval. Please click on the information button to read the user manual. If you have technical questions about the application, call (509) 577-3175.
Form View
FLTR
NUM

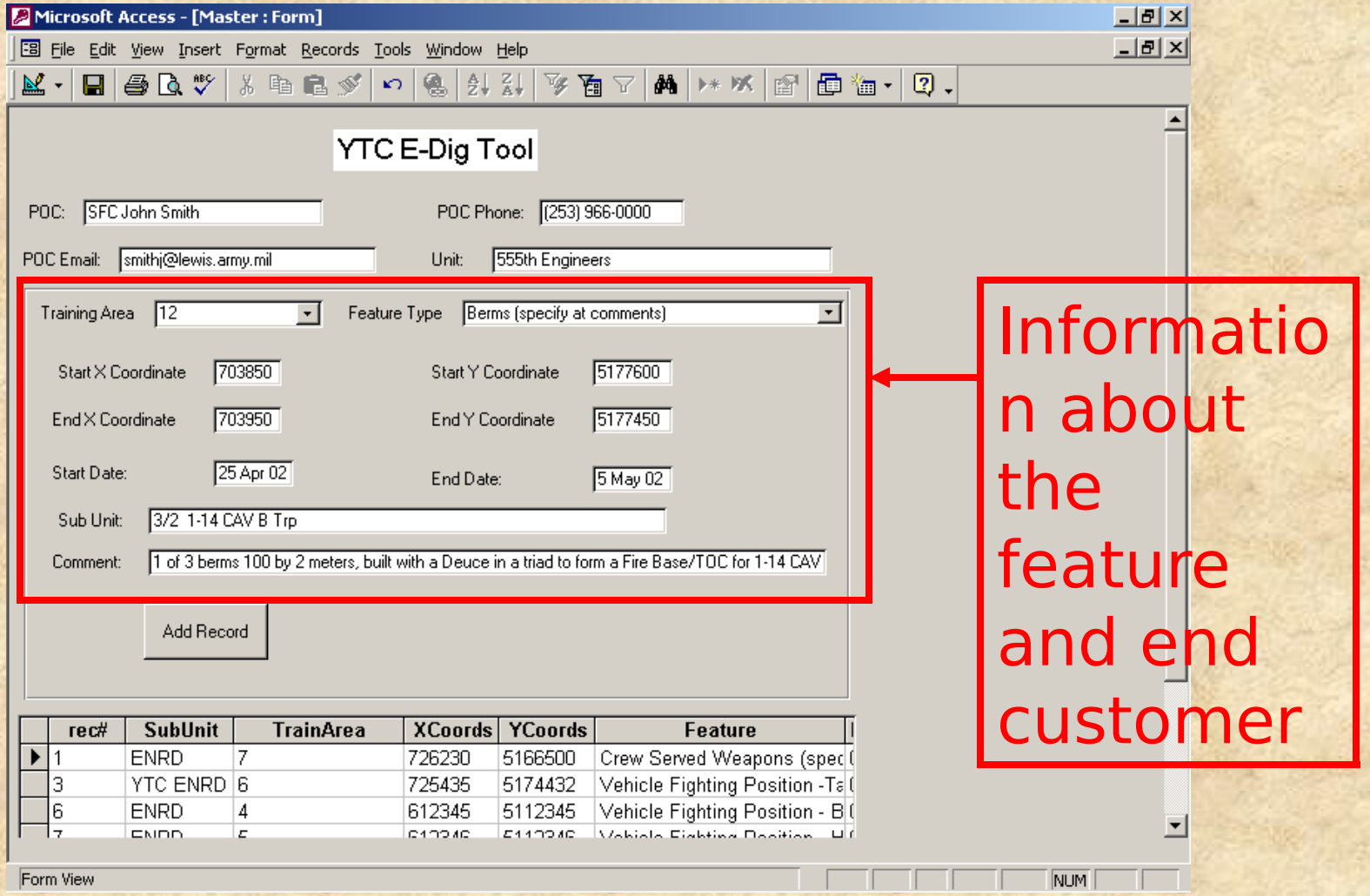
Information/User Manual



POC Information

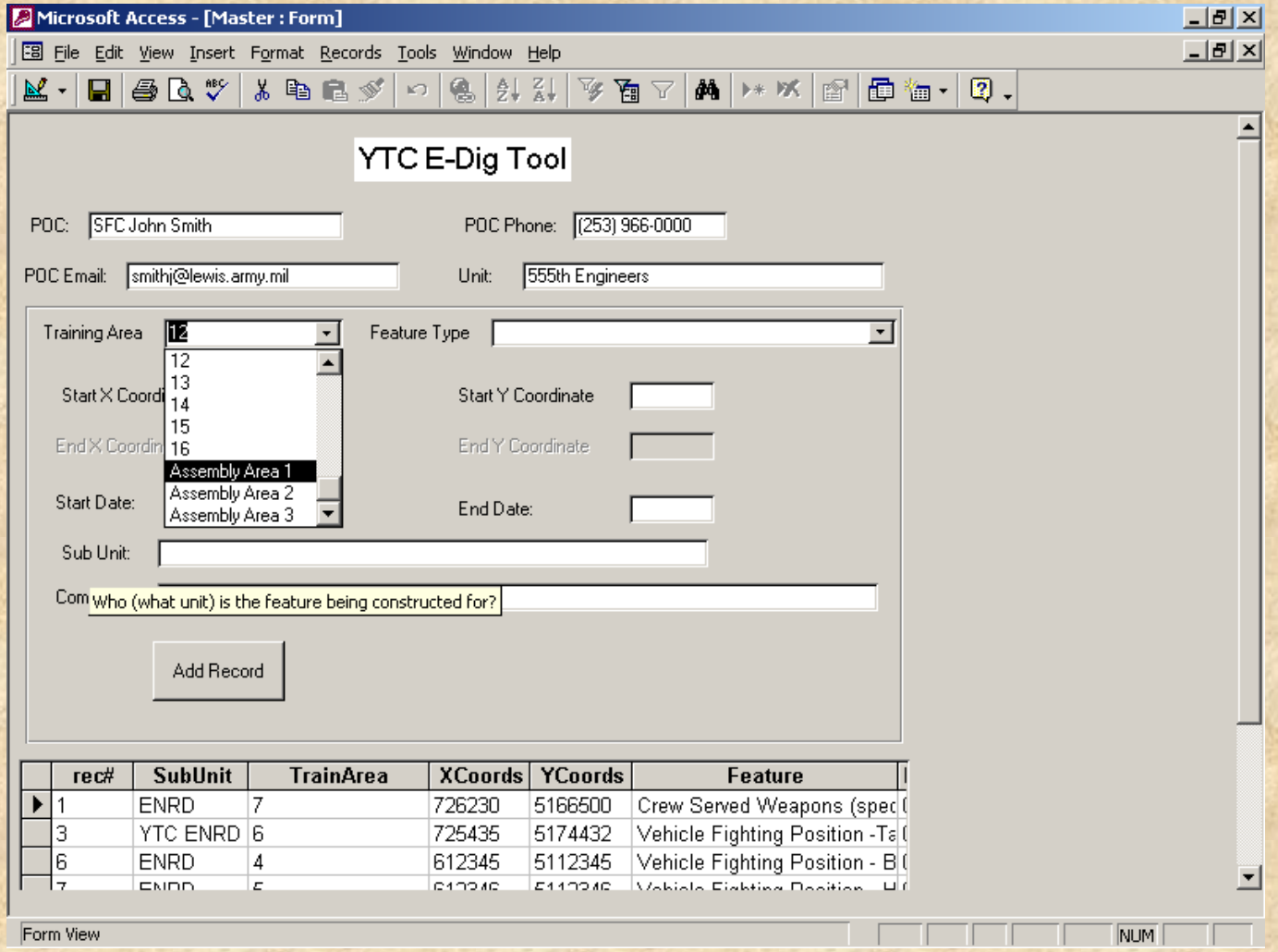


Data Entry

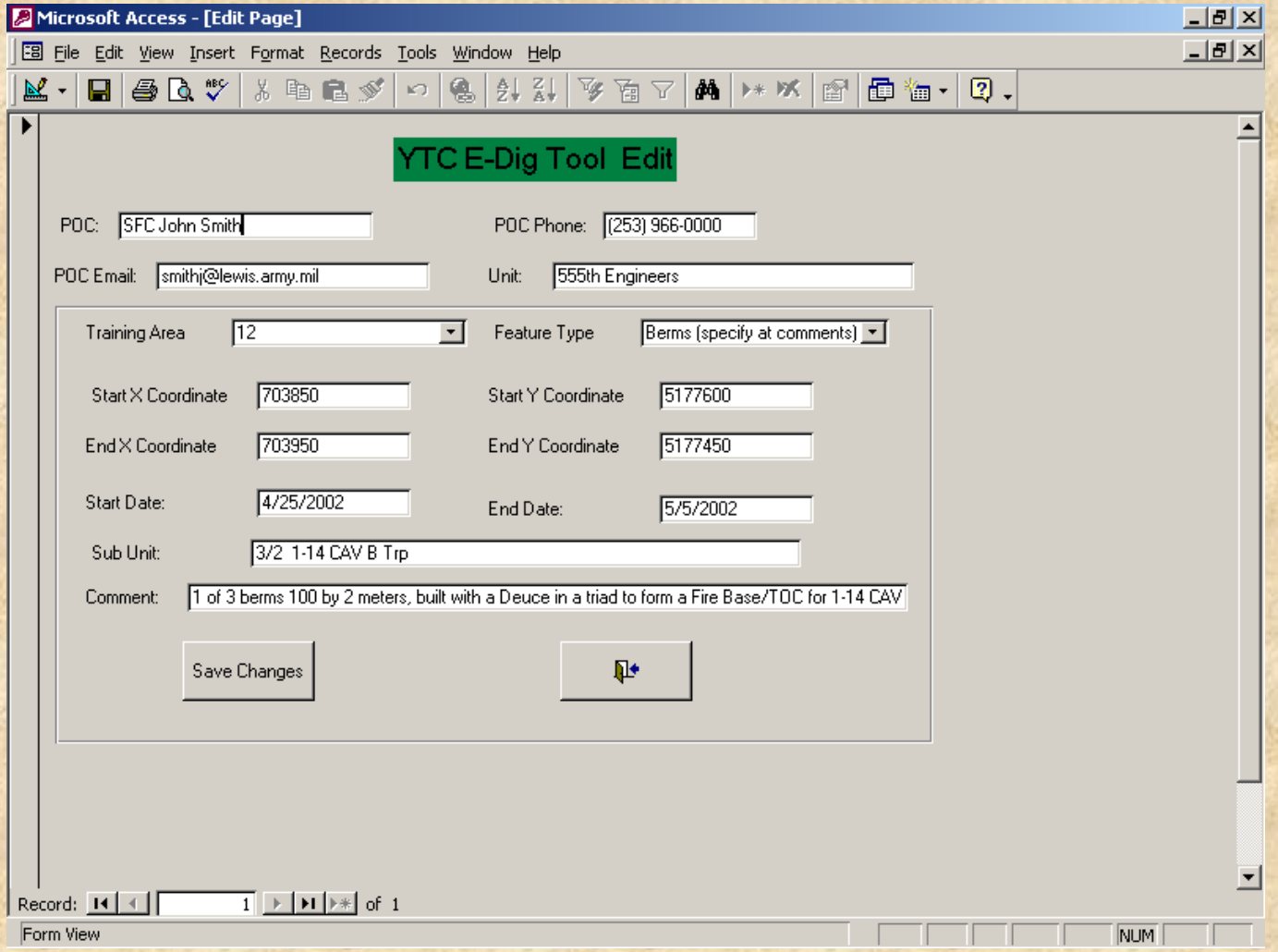

Microsoft Access - [Master : Form]
File Edit View Insert Format Records Tools Window Help
YTC E-Dig Tool
POC: SFC John Smith
POC Phone: (253) 966-0000
POC Email: smithj@lewis.army.mil
Unit: 555th Engineers
Training Area 12
Feature Type Berms (specify at comments)
Start X Coordinate 703850
Start Y Coordinate 5177600
End X Coordinate 703950
End Y Coordinate 5177450
Start Date: 25 Apr 02
End Date: 5 May 02
Sub Unit: 3/2 1-14 CAV B Trp
Comment: 1 of 3 berms 100 by 2 meters, built with a Deuce in a triad to form a Fire Base/TOC for 1-14 CAV
Add Record
rec# SubUnit TrainArea XCoords YCoords Feature
1 ENRD 7 726230 5166500 Crew Served Weapons (spec
3 YTC ENRD 6 725435 5174432 Vehicle Fighting Position -Ta
6 ENRD 4 612345 5112345 Vehicle Fighting Position - B
Form View
NUM

Information about the feature and end customer

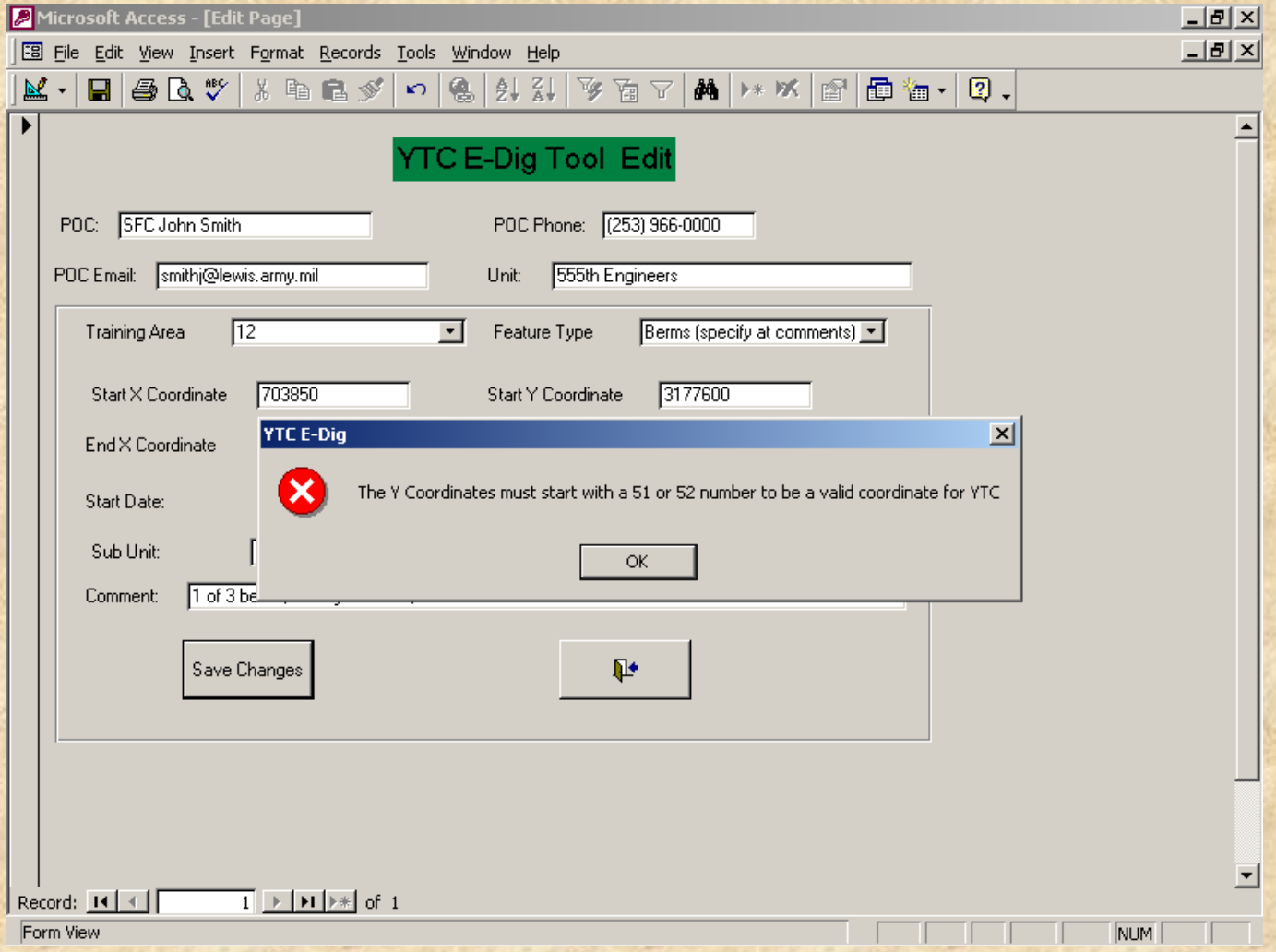
Pick Menus and Tool Tips



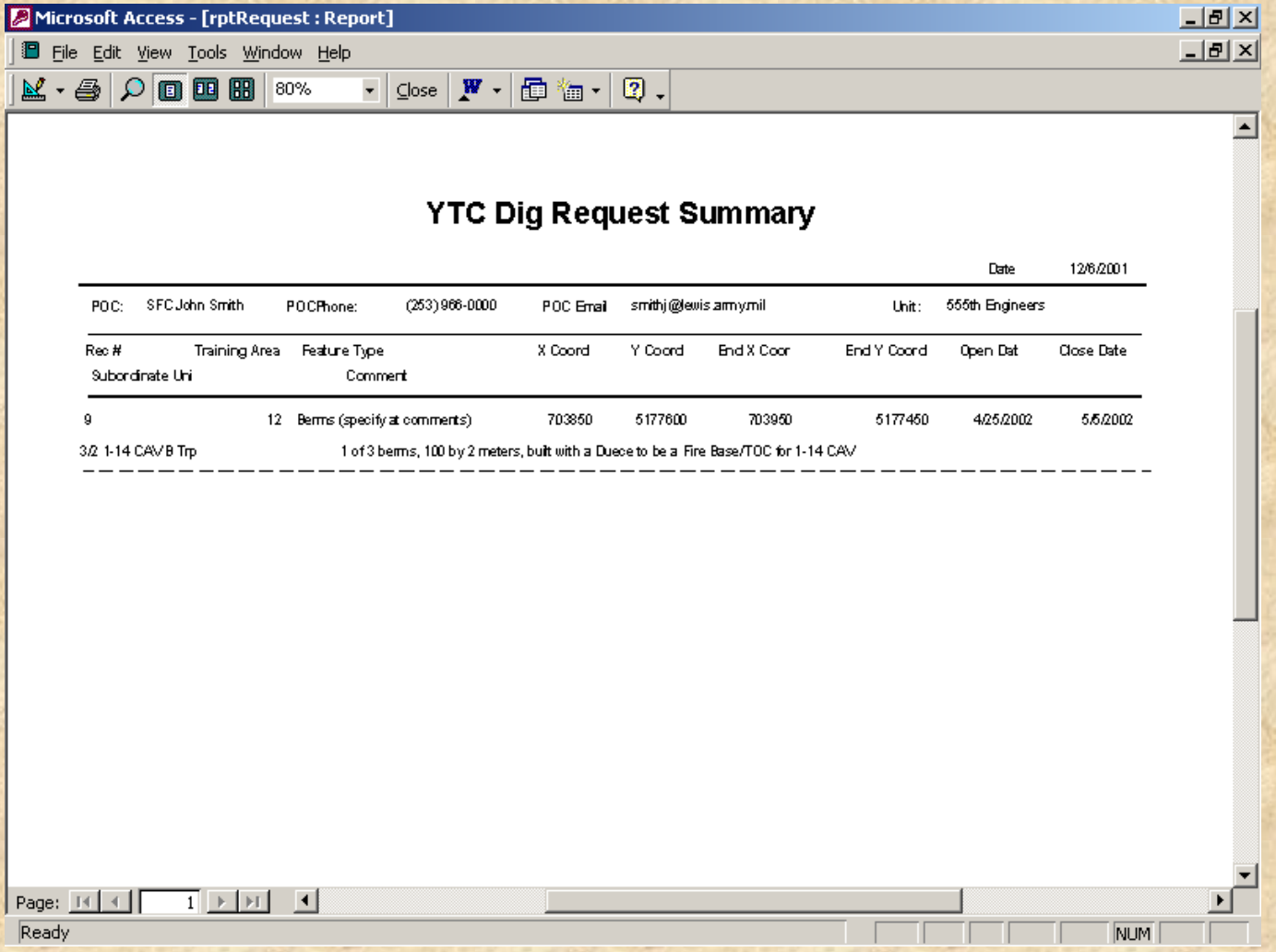
Edit Mode


Microsoft Access - [Edit Page]
File Edit View Insert Format Records Tools Window Help
YTC E-Dig Tool Edit
POC: SFC John Smith
POC Phone: (253) 966-0000
POC Email: smithj@lewis.army.mil
Unit: 555th Engineers
Training Area 12
Feature Type Berms (specify at comments)
Start X Coordinate 703850
Start Y Coordinate 5177600
End X Coordinate 703950
End Y Coordinate 5177450
Start Date: 4/25/2002
End Date: 5/5/2002
Sub Unit: 3/2 1-14 CAV B Trp
Comment: 1 of 3 berms 100 by 2 meters, built with a Deuce in a triad to form a Fire Base/TOC for 1-14 CAV
Save Changes
Record: 1 of 1
Form View
NUM

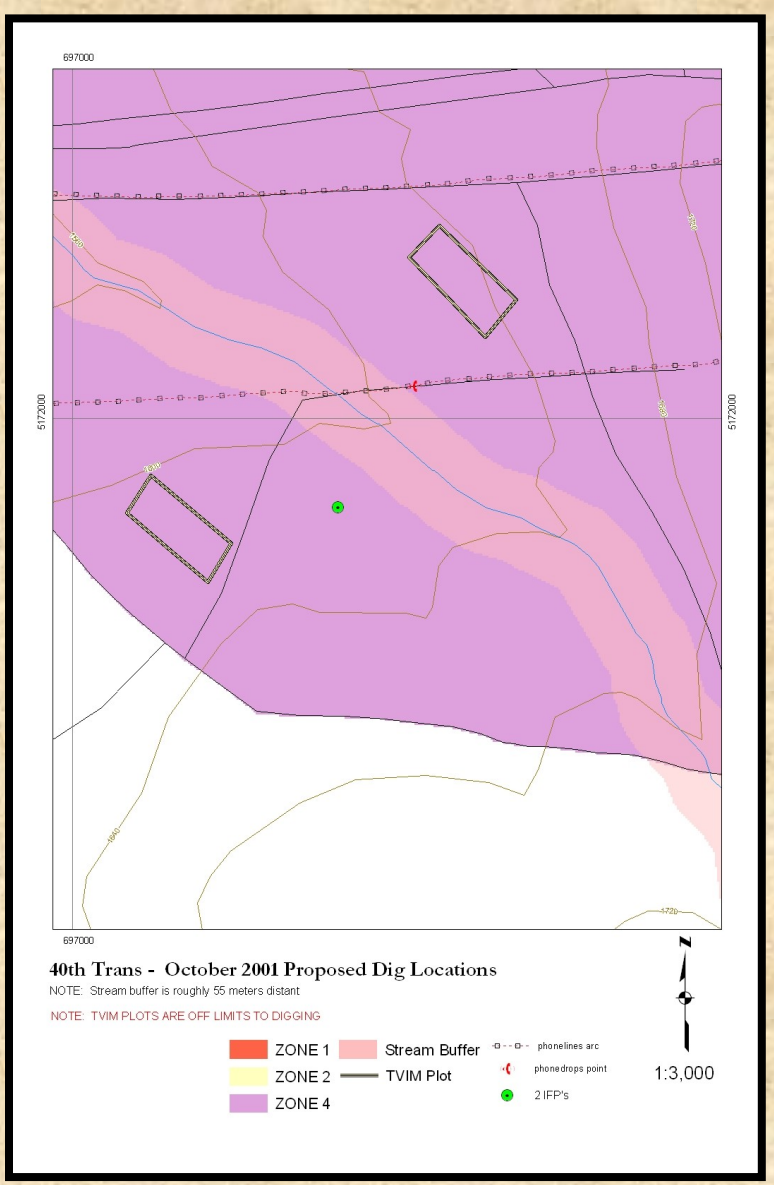
Error Checks Are Built In

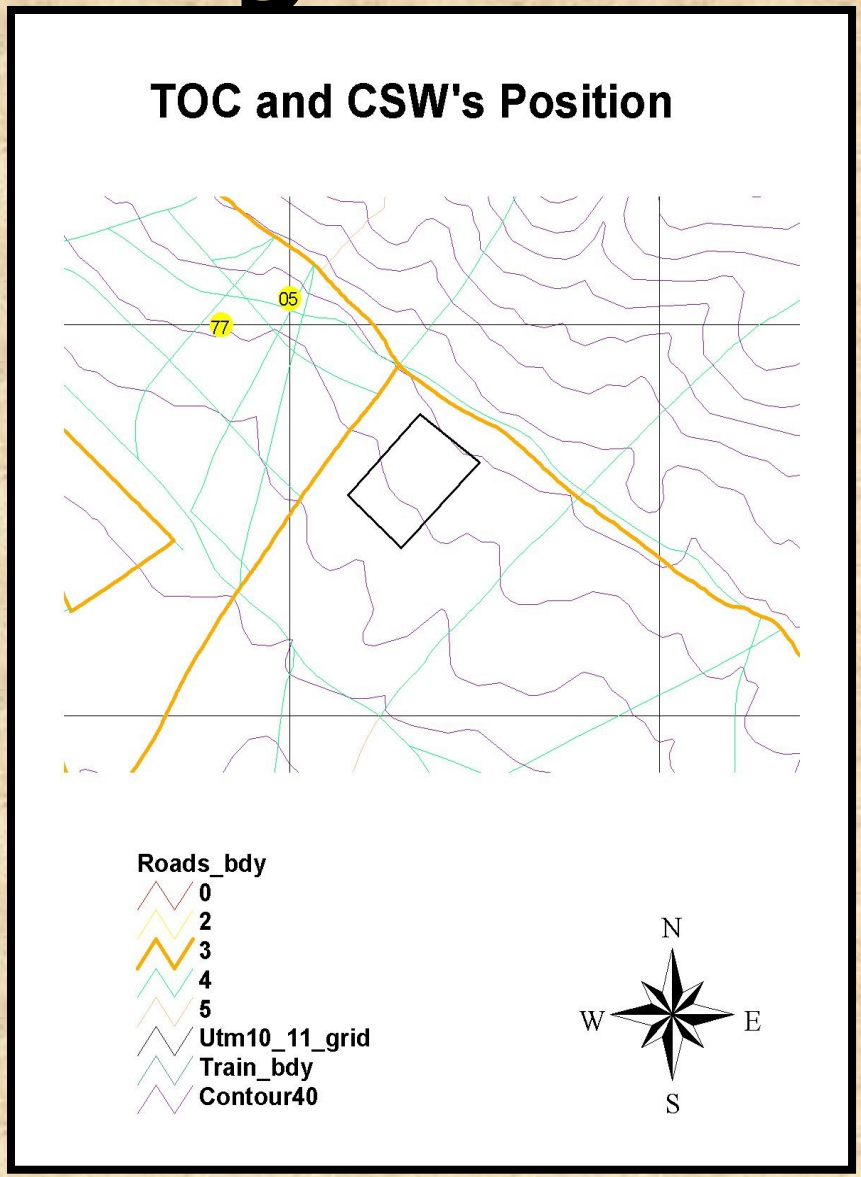

Microsoft Access - [Edit Page]
File Edit View Insert Format Records Tools Window Help
YTC E-Dig Tool Edit
POC: SFC John Smith
POC Phone: (253) 966-0000
POC Email: smithj@lewis.army.mil
Unit: 555th Engineers
Training Area 12
Feature Type Berms (specify at comments)
Start X Coordinate 703850
Start Y Coordinate 3177600
End X Coordinate
Start Date:
Sub Unit:
Comment:
YTC E-Dig
The Y Coordinates must start with a 51 or 52 number to be a valid coordinate for YTC
OK
Save Changes
Record: 1 of 1
Form View
NUM

Printout Of Request Data


Microsoft Access - [rptRequest : Report]
File Edit View Tools Window Help
80%
Close
YTC Dig Request Summary
Date 12/6/2001
POC: SFC John Smith POCPhone: (253) 966-0000 POC Email smithj@lewis.army.mil Unit: 555th Engineers
Rec # Training Area Feature Type X Coord Y Coord End X Coor End Y Coord Open Dat Close Date
Subordinate Uni Comment
9 12 Berms (specify at comments) 703850 5177600 703950 5177450 4/25/2002 5/5/2002
3/2 1-14 CAV B Trp 1 of 3 berms, 100 by 2 meters, built with a Duece to be a Fire Base/TOC for 1-14 CAV
Page: 1
Ready
NUM

GIS Coverages





Six month check-up

- Location accuracy.
  - User coordinates from 1:50,000 scale map not accurate enough to miss important features, e.g. roads or phone lines. Solution: interactive tool with varying degrees of detail based on scale.
- User input errors.
  - Error check for completeness, not absolute accuracy. E.g. PLGR-read output may be configured to different datum. Solution: interactive tool showing chosen locations.
- Automated “no-brainer” system.
  - Requests (w/in 100 m of streams, on or across roads, etc.) could be eliminated early in the permit process. Solution: interactive tool with sensitive sites query.
- Download/install location.

Questions?